
VASKON

Automation – Special machine construction

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Tobacco weigher (type CTW250)

Main characteristics :

- Tobacco weigher for larger portions of ryo-tobacco (typically used for cans/tins)
- Depending on the type of tobacco, a weighing range from 20 to 250 gr is possible. To achieve this complete range, additional format parts are required. The installed format parts are recognized by the machine so that adjusting limits are automatically updated. To fill tins with very big volumes 2 or more portions of tobacco are filled in one tin; this decreases the performance of the machine in terms of tins per minute.
- Performance : up to 40+ portions and tins per minute can be achieved complying with the e-regulation. A few numbers of what can typically be achieved with original fine-cut tobacco :
 - o 70 gr (eg tins of 95mm) : 40+ tins/minute
 - o 150 gr : 30 tins/minute
 - o 200 gr (eg tins of 130mm) : 25+ tins/minute
 - o 300 gr : 20 tins/minute



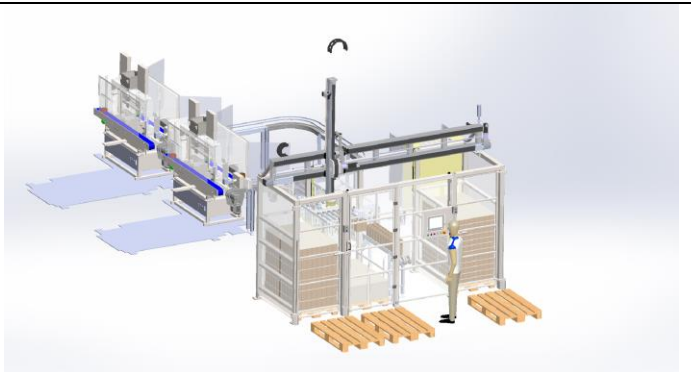
Weigher CTW250 (2x) for filling cans with tobacco
In this particular layout, the weighers are combined with the optional can filling station (2x)
+ with the optional "destacker for empty buckets"

Other specifications :

- Machine constructed as a high-loader (tobacco has to be fed into the rear top of the machine)
- Automatic tare function
- Machine works completely with async-, servo- and stepper motors. No consumption of compressed air, smoother and more silent running of the machine, timing of flaps can be very fine adjusted and remains constant, lifetime of motors is a multiple of the lifetime of pneumatic actuators.
- The weighing part has its own base frame to avoid interference of the machine movement with the weighing cell
- Possibility to let the machine calculate the used tolerances in weight based on a % of the tolerances according to –regulation.
- Several weighers can be combined in one line, to achieve higher output.
- Options :
 - o Format parts
 - o Can filling station. Cans/tins enter the system on a conveyor, the tins are automatically positioned under the weigher, filled, and evacuated on a conveyor.
 - o CCS Control system. In case more than one weigher is installed in a line, this CCS system performs the following tasks and functions :
 - Controls the discharge in a bucket-chain in such a way that the workload is evenly spread over the available machines, so that even the machine that is located last in the line can work with a continuous pace. Ability to produce a predefined batch of pouches.
 - Central management of the recipe used by the weighers. This makes switching from one product easier and quicker. New recipes have to be created only once, and every machine runs with the same parameters. All weighers and the CCS are connected in a network.
 - Weight control. In combination with a check weigher (the check weigher itself is not part of this option) a closed-loop system can be created so that the mean weight of the produced batch is just above the nominal weight. This can save a considerable amount of tobacco.
 - CCS can support up to 4 weighers
 - o Rejected tobacco return conveyors
 - o Destacker for empty cans : empty cans are automatically taken from a pallet, and placed on a chain conveyor. The chain brings the empty cans to the can filling stations/weighers.



Option : can filling station



Option : destacker for empty cans.

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